

Name _____

Date _____

5.2 FACTORING TRINOMIALS

Factor		
1. $24a^2 + 20a^7 - 32a^4 =$		2. $56a^4b^7 - 35a^5b^2 - 21a^6b^3 =$
3. $45a^5b^2 - 72a^4b^6 + 54ab^3 =$		4. $48a^4b^2c^7 + 16a^5bc^3 + 40a^2b^9c^4 =$
5. $x^2 + 12x + 36 =$		6. $4a^2 - 20a + 25 =$
7. $81a^2 + 72ab + 16b^2 =$		8. $25a^4 - 30a^2b + 9b^2 =$
9. $x^2 + 11x + 28 =$		10. $x^2 - 3x - 54 =$
11. $x^2 + 5x - 24 =$		12. $x^2 - 9x + 20 =$
13. $2x^2 + 9x + 4 =$		14. $3x^2 + 10x - 8 =$
15. $8x^2 - 6x - 9 =$		16. $6x^2 - x - 15 =$

Name _____

5.2A FACTORING QUADRATIC TRINOMIALS

Factor

1. $x^2 + 10x + 24$	2. $x^2 - 11x + 18$
3. $x^2 + 5x - 24$	4. $x^2 - x - 42$
5. $2x^2 + 11x + 15$	6. $3x^2 + 10x - 8$
7. $4x^2 - 19x + 12$	8. $6x^2 + 5x - 6$
9. $6x^2 + 11x + 4$	10. $12x^2 - 13x - 4$
11. $6x^2 - 17x + 5$	12. $8x^2 - 2x - 3$